

ABSTRACT

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1 **CAS P10-1005]**

2 **[COMPANY NAMED:** COMPAGNIE GENERALE DES ETABLISSEMENTS
3 MICHELIN- MICHELIN ET CIE]

4 **[Title:** SILICA-CONTAINING RUBBER COMPOSITION
5 VULCANIZABLE WITH SULFUR]

6 **[ABSTRACT]**

7 [Rubber composition vulcanizable with sulfur, characterized in that it comprises:]

8 [a) at least one polymer selected from the group consisting of diene polymers,
9 olefin/monomeric diene copolymers and isoolefin/halogenated para-alkylstyrene
10 copolymers;]

11 [b) silica as filler;]

12 [c) at least one agent of the sulfur-containing silane type promoting the linkage
13 between silica and polymer;]

14 [d) at least one substituted guanidine;]

15 [and in that it has at least one of the following characteristics:]

16 **[00109]**]Rubber composition vulcanizable with sulfur, characterized in that it comprises:

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18 olefin/monomeric diene copolymers and isoolefin/halogenated para-alkylstyrene copolymers;

19 _____ b) silica as filler;

20 _____ c) at least one agent of the sulfur-containing silane type promoting the linkage
21 between silica and polymer;

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1 d) at least one substituted guanidine;

2 and in that it has at least one of the following characteristics:

3 It has at least one diene polymer which comprises at least one terminal amino
4 group of an aliphatic or cycloaliphatic amine which is bonded thereto at the end of the chain, the
5 polymer then being devoid of the alkoxysilane and silanol group;

6 the composition comprises at least one free aliphatic or cycloaliphatic amine.

7 Tire tread and tire casing comprising such a composition.

8 [the composition comprises at least one free aliphatic or cycloaliphatic
9 amine.]

10 [Tire tread and tire casing comprising such a composition.]